### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : QSR HI-TEMP GRILL CLEANER

Other means of identification : not applicable

Recommended use : Grill Cleaner

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Kay Chemical Company

8300 Capital Drive

Greensboro, North Carolina USA 27409

1-800-529-5458

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 06/03/2014

# **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

Eye irritation : Category 2B

**GHS** Label element

Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : **Prevention**:

Wash skin thoroughly after handling.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

irritation persists: Get medical advice/ attention.

Other hazards : None known.

## **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Chemical Name CAS-No. Concentration (%)

 glycerin
 56-81-5
 30 - 60

 potassium carbonate
 584-08-7
 10 - 30

### **SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. If eye irritation

persists: Get medical advice/ attention.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

916728 1 / 7

# **QSR HI-TEMP GRILL CLEANER**

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal

protective equipment.

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

## **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Unsuitable extinguishing

media

: None known.

Specific hazards during fire

fighting

: Not flammable or combustible.

Hazardous combustion

products

: Carbon oxides

for fire-fighters

Special protective equipment : Use personal protective equipment.

Specific extinguishing

methods

: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire

and/or explosion do not breathe fumes.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

: Ensure clean-up is conducted by trained personnel only. Refer to

protective measures listed in sections 7 and 8.

: Do not allow contact with soil, surface or ground water. Environmental precautions

Methods and materials for containment and cleaning up Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous

earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain

material to ensure runoff does not reach a waterway.

# **SECTION 7. HANDLING AND STORAGE**

: Avoid contact with skin and eyes. Wash hands thoroughly after Advice on safe handling

handling. Use only with adequate ventilation.

Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in

suitable labeled containers.

: 0 °C to 50 °C Storage temperature

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# **QSR HI-TEMP GRILL CLEANER**

### Ingredients with workplace control parameters

Ingredients	CAS-No.	Form of exposure	Permissible concentration	Basis	
glycerin	56-81-5	TWA	10 mg/m3	ACGIH	

Engineering measures : Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Remove and wash contaminated clothing before re-use. Wash hands

before breaks and immediately after handling the product. Wash face,

hands and any exposed skin thoroughly after handling.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Color : clear, yellow
Odor : characteristic
pH : 11.4 - 12.8, 100 %

Flash point : not applicable

Odor Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and

boiling range

: > 100 °C

Evaporation rate : no data available
Flammability (solid, gas) : no data available
Upper explosion limit : no data available
Lower explosion limit : no data available
Vapor pressure : no data available
Relative vapor density : no data available
Relative density : 1.286 - 1.306

Water solubility : soluble

Solubility in other solvents : no data available

Partition coefficient: n- : no data available

octanol/water

Autoignition temperature : no data available
Thermal decomposition : no data available

916728 3 / 7

# QSR HI-TEMP GRILL CLEANER

Viscosity, kinematic : no data available Explosive properties : no data available

Oxidizing properties The substance or mixture is not classified as oxidizing.

Molecular weight : no data available VOC : no data available

# **SECTION 10. STABILITY AND REACTIVITY**

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: No dangerous reaction known under conditions of normal use.

Conditions to avoid : None known.

Incompatible materials : None known.

Hazardous decomposition

products

: Carbon oxides

# **SECTION 11. TOXICOLOGICAL INFORMATION**

exposure

Information on likely routes of : Inhalation, Eye contact, Skin contact

#### **Potential Health Effects**

Eyes : Causes eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic Exposure : Health injuries are not known or expected under normal use.

## Experience with human exposure

Eye contact : Redness, Pain, Irritation

Skin contact : slight irritation

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

**Toxicity** 

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg

Acute inhalation toxicity : no data available Acute dermal toxicity : no data available Skin corrosion/irritation : Mild skin irritation

# **QSR HI-TEMP GRILL CLEANER**

Serious eye damage/eye

irritation

: Mild eye irritation

Respiratory or skin

sensitization

: no data available

Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT-single exposure : no data available

STOT-repeated exposure : no data available
Aspiration toxicity : no data available

Ingredients

Acute inhalation toxicity : potassium carbonate

4 h LC50 rat: > 5.26 mg/l

Ingredients

Acute dermal toxicity : glycerin

LD50 rabbit: 23,000 mg/kg

potassium carbonate LD50 rabbit: > 2,000 mg/kg

## **SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity** 

Environmental Effects : This product has no known ecotoxicological effects.

**Product** 

Toxicity to fish : no data available

Toxicity to daphnia and other : no data available

aquatic invertebrates

: no data available

Toxicity to algae Ingredients

Toxicity to fish : glycerin

96 h LC50 Fish: 855 mg/l

potassium carbonate 96 h LC50 Fish: 230 mg/l

Persistence and degradability

no data available

**Bioaccumulative potential** 

no data available

Mobility in soil

no data available

916728 5 / 7

# **QSR HI-TEMP GRILL CLEANER**

#### Other adverse effects

no data available

## **SECTION 13. DISPOSAL CONSIDERATIONS**

: Where possible recycling is preferred to disposal or incineration. If Disposal methods

> recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Dispose of as unused product. Empty containers should be taken to Disposal considerations

an approved waste handling site for recycling or disposal. Do not re-

use empty containers.

#### SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (DOT)

Not dangerous goods

### Sea transport (IMDG/IMO)

Not dangerous goods

### **SECTION 15. REGULATORY INFORMATION**

#### **EPCRA - Emergency Planning and Community Right-to-Know**

## **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

# SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components

with known CAS numbers that exceed the threshold (De Minimis)

reporting levels established by SARA Title III, Section 313.

#### California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### The ingredients of this product are reported in the following inventories:

### 1907/2006 (EU):

not determined

#### Switzerland. New notified substances and declared preparations:

On the inventory, or in compliance with the inventory

## **United States TSCA Inventory:**

# QSR HI-TEMP GRILL CLEANER

On TSCA Inventory

#### Canadian Domestic Substances List (DSL):

All components of this product are on the Canadian DSL.

## Australia Inventory of Chemical Substances (AICS):

On the inventory, or in compliance with the inventory

### New Zealand. Inventory of Chemical Substances:

On the inventory, or in compliance with the inventory

### Japan. ENCS - Existing and New Chemical Substances Inventory:

On the inventory, or in compliance with the inventory

### Japan. ISHL - Inventory of Chemical Substances (METI):

On the inventory, or in compliance with the inventory

### Korea. Korean Existing Chemicals Inventory (KECI):

On the inventory, or in compliance with the inventory

### Philippines Inventory of Chemicals and Chemical Substances (PICCS):

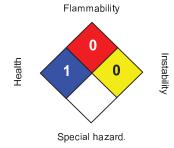
On the inventory, or in compliance with the inventory

### China. Inventory of Existing Chemical Substances in China (IECSC):

On the inventory, or in compliance with the inventory

### **SECTION 16. OTHER INFORMATION**

## NFPA:



### HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

Issuing date : 06/03/2014

Version : 1.1

Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.